What is claimed is:

1	1. A safety circuit for a chimney fan driven by a household current-powered
2	asynchronous motor with an auxiliary winding and a capacitor, comprising:
3	means for briefly increasing a supply of voltage to the motor immediately
4	before a brief interruption of the connection between the household current and the
5	capacitor;
6	means for measuring a signal across the auxiliary winding; and
7	means for causing an alarm indication when the signal is below a preset value.
	·
1	2. A safety circuit according to claim 1, wherein the means for briefly
2	increasing is performed in conjunction with an electronic speed control for the motor
3	by briefly setting the speed control to maximum.
1	3. A safety circuit according to claim 1, further comprising means for
2	combining information about the presence of household voltage with information
3	about a current in the motor circuit in order to ascertain if a blocked motor shaft has
4	occurred when the alarm is indicated.
1	4. A safety device for a chimney fan driven by a household current-powered
2	asynchronous motor with an auxiliary winding and a capacitor, the safety device
3	comprising:
4	a safety circuit, wherein a voltage supplied to the motor is briefly increased
5	immediately before a brief interruption of the connection between the household

6	current and the capacitor, whereupon a measuring signal is taken across the auxiliary
7	winding, said measuring signal causing an alarm when it is below a preset value.
1	5. A safety circuit according to claim 4 in conjunction with an electronic
2	speed control for the motor, wherein the speed control is briefly set to maximum
3	immediately before the brief disconnection in order to obtain the measuring signal.
1	6. A safety circuit according to claim 4, wherein in case of alarm, information
2	about the presence of household voltage is combined with information about a current
3	in the motor circuit in order to ascertain if a blocked motor shaft has occurred.
1	7. Method for monitoring a chimney fan driven by a household current-
2	powered asynchronous motor with an auxiliary winding and a capacitor, comprising
3	steps of:
4	briefly increasing a voltage supplied to the motor;
5	immediately after the step of increasing, briefly interrupting a connection
6	between the household current and the capacitor;
7	measuring a signal across the auxiliary winding during the brief interruption;
8	and
9	causing an alarm indication when the signal is below a preset value.
1	8. The method of claim 7, wherein the step of briefly increasing the voltage is

performed in conjunction with an electronic speed control for the motor by briefly

setting the speed control to a maximum level.

2

3

9. The method of claim 7, further comprising a step of combining information about the presence of household voltage with information about a current in the motor circuit in order to ascertain if a blocked motor shaft has occurred when the alarm is indicated.

10. A chimney fan system comprising:

a safety circuit; and

a chimney fan driven by a household current-powered asynchronous motor with an auxiliary winding and a capacitor;

wherein the voltage supplied to the motor is briefly increased immediately before a brief interruption of the connection between the household current and the capacitor, whereupon a measuring signal is taken across the auxiliary winding, said measuring signal causing an alarm indication when it is below a preset value.

- 11. The chimney fan system of claim 10 further comprising an electronic speed control for the motor, wherein the speed control is briefly set to maximum immediately before the brief disconnection in order to obtain the measuring signal.
- 12. The chimney fan system of claim 10, wherein in when the alarm is indicated, information about the presence of household voltage is combined with information about a current in the motor circuit in order to ascertain if a blocked motor shaft has occurred.